

**Amendments to the Specification**

Please replace paragraph [0001] with the following paragraph:

[0001] This application is a divisional of U.S. Serial No. 10/179,373, filed June 26, 2002, which is a continuation-in-part of U.S. Serial ~~No. Nos.~~ 10/035,045, filed January 3, 2002, now U.S. Patent No. 7,241,880, U.S. Serial No. and 09/897,427, now U.S. Patent No. 6,955,887, filed on July 3, 2001, and U.S. Serial No. 09/799,629, filed on July 3, 2001, now U.S. Patent No. 7,244,835; U.S. Serial No. Application 10/179,373 claims priority to Provisional Application Serial No. 60/300,434, filed on June 26, 2001, U.S. Provisional Application Serial No. 60/304,749 filed on July 13, 2001, U.S. Provisional Application Serial No. 60/310,493 filed on August 8, 2001, U.S. Provisional Application Serial No. 60/331,771 filed on November 21, 2001, U.S. Provisional Application Serial No. 60/339,472 filed December 14, 2001, ~~and~~, U.S. Provisional Serial No. 60/372,090 filed April 15, 2002, and U.S. Provisional Application Serial No. 60/374,143 filed on April 22, 2002, all of which are incorporated by reference in their entirety.

Please replace paragraph [0047] with the following paragraph:

[0047] Figures ~~10a—10b~~ 10A — 10L contain calcium imaging data demonstrating that hT1R2/hT1R3 respond to different sweet stimuli.

Please replace paragraph [0254] with the following paragraph:

[0254] Additionally, the accession number and reference citations relating to mouse and rat T1Rs and allelic variants thereof in the public domain are set forth below: rT1R1 (Accession # MD18069) (Hoon et al., Cell 96 (4): 541-51 (1999)); rT1R2 (Accession # MD18070) (Hoon et al., Cell 96(4): 541-59 (1999)); mT1R1 (Accession # MK39437); mT1R2 (Accession # AAK 39438); mT1R3 (Accession MK 55537) (Max et al., Nat. Genet. 28(1): 58-63 (2001)); rT1R1 (Accession # AAK07092) (Li et al., Mamm. Genome (12(1): 13-16 (2001)); mT1R1 (Accession # NP 114073); mT1R1 (Accession # MK07091) (Li et al., Mamm. Genome (12(1):13-16 (2001)); rT1R2 (Accession # MD18070) (Hoon et al., Cell 96(4): 541-551 (1999)); mT1R2 (Accession # NP114079); mT1R3 (Accession # AAK39436); mT1R3 (Accession # BAB47181); (Kitagawa et

al., Biochem. Biophys. Res. Comm. 283(1):23642 (2001)); mT1R3 (Accession #NP1 14078); mT1R3 (Accession # AAK55536) (Max et al., Nat. Genet. 28(1):58-63 (2001)); and mT1R3 (Accession No. AAK01937).